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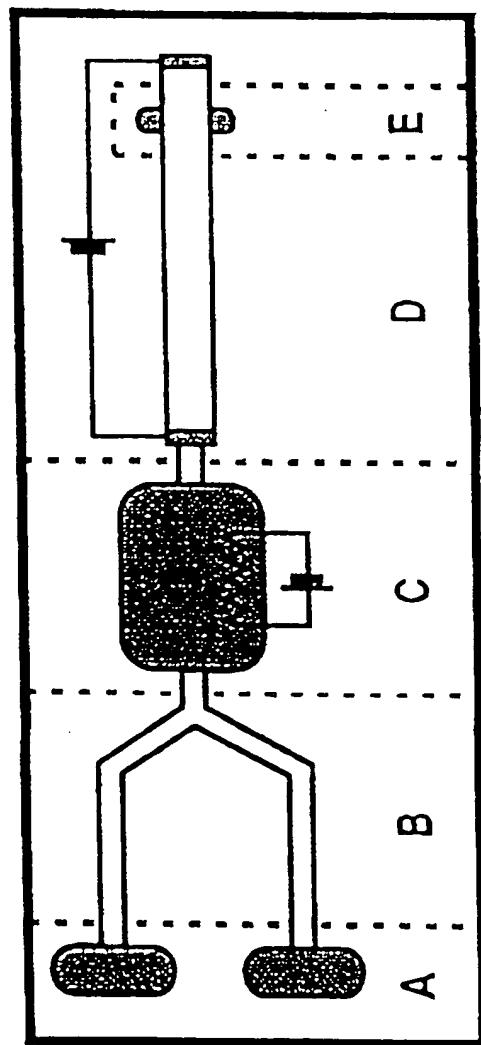


FIG. 1

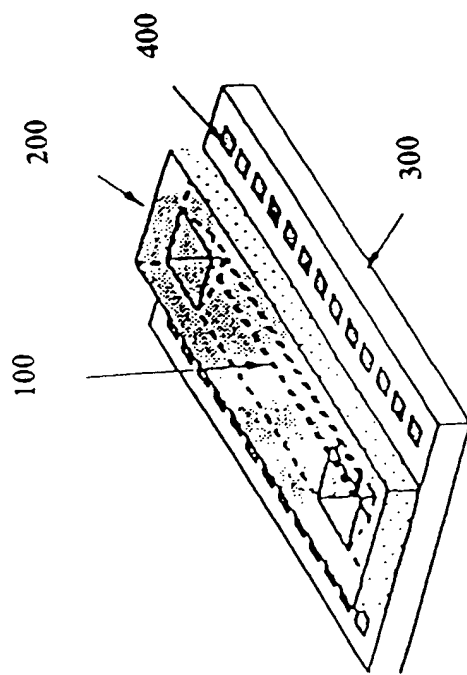


FIG. 2

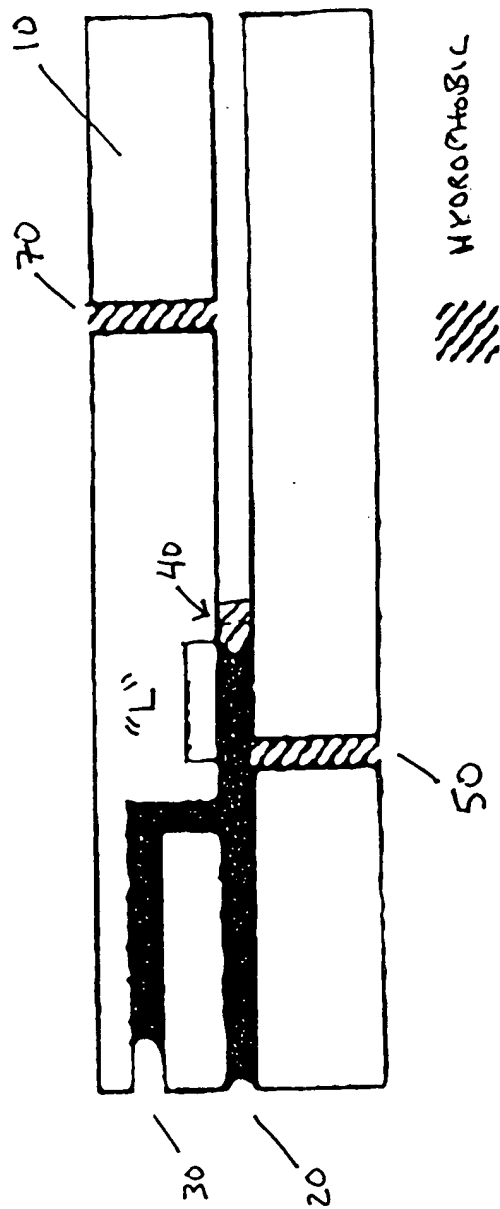


FIGURE 3A

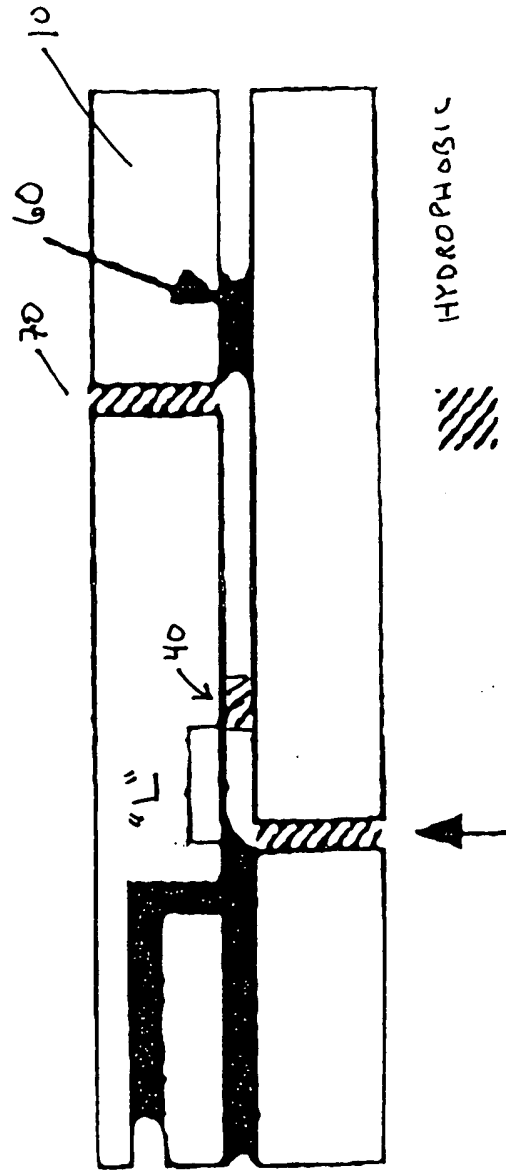


FIGURE 3B

000000-5582560

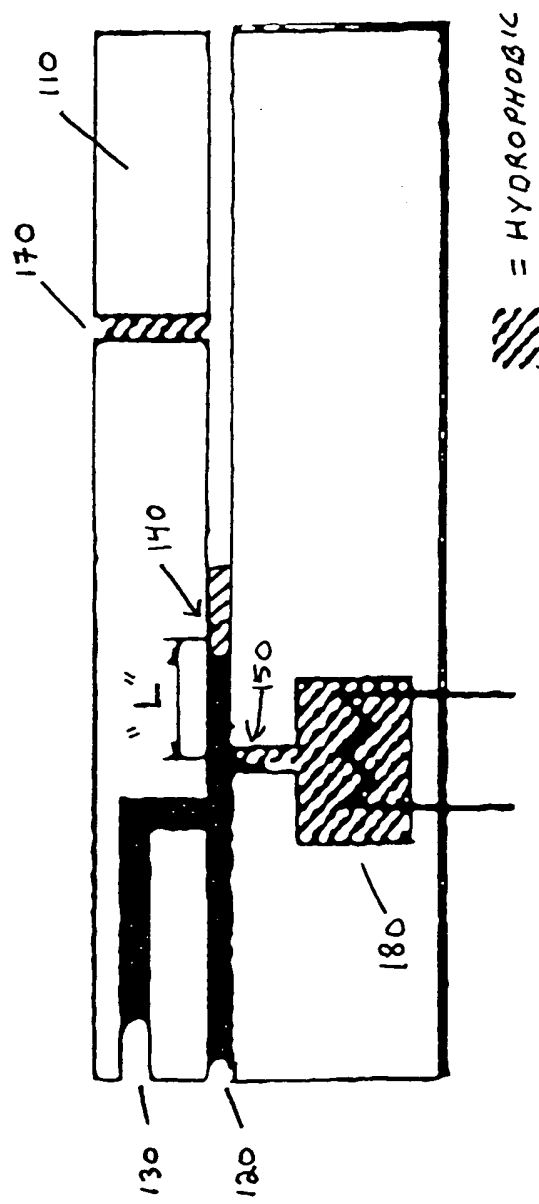


FIGURE 4A

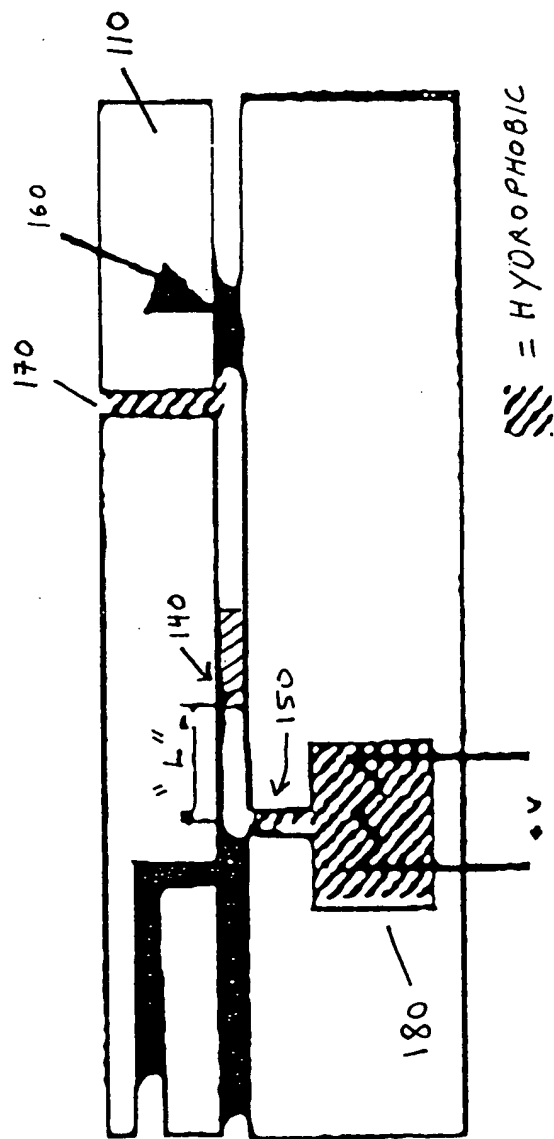


FIGURE 4B

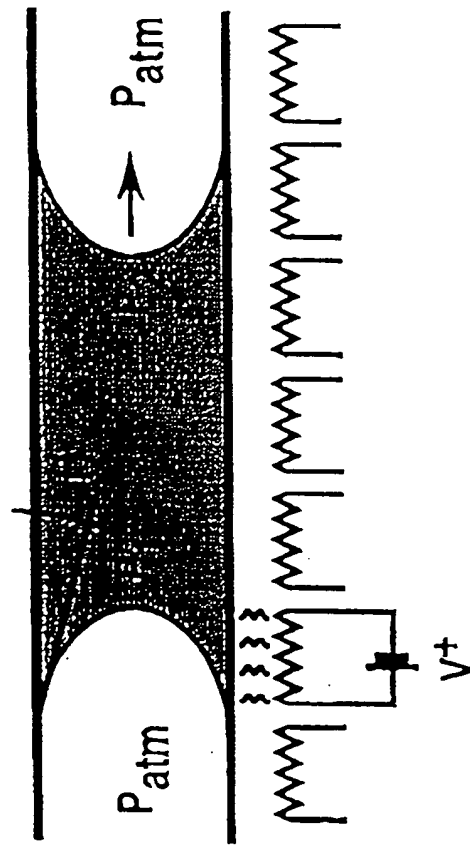


FIGURE 5

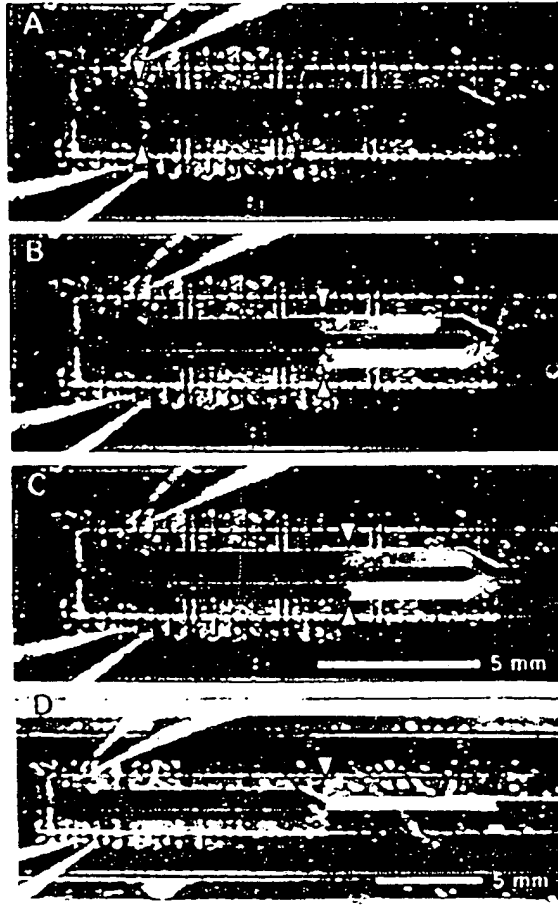


FIGURE 6

00510005-030600

00518895-030600

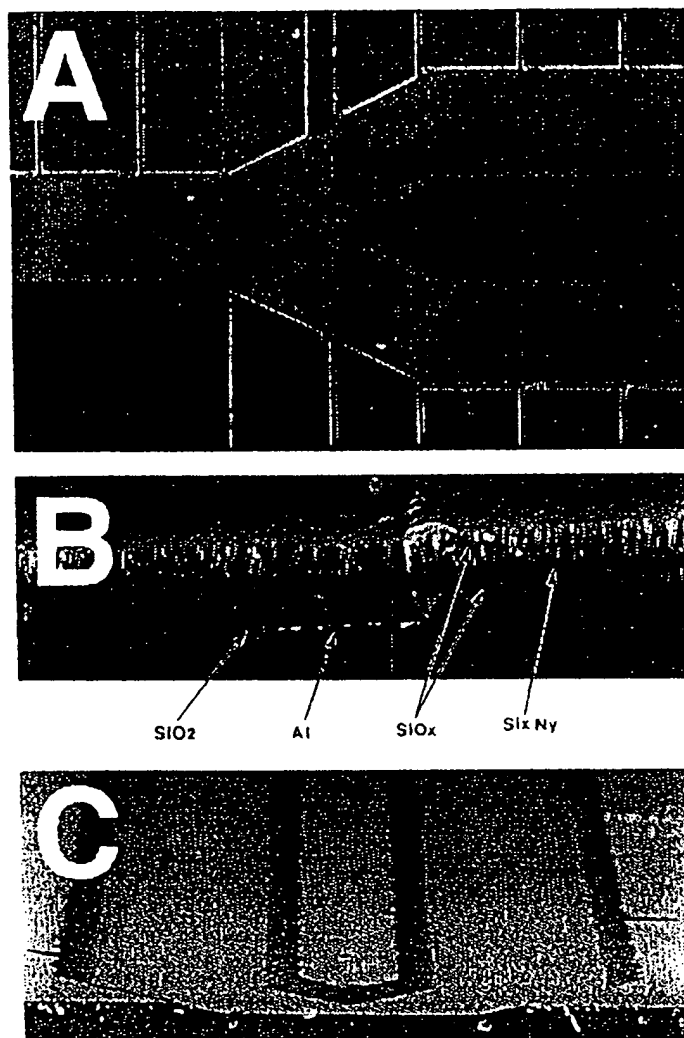


FIGURE 7

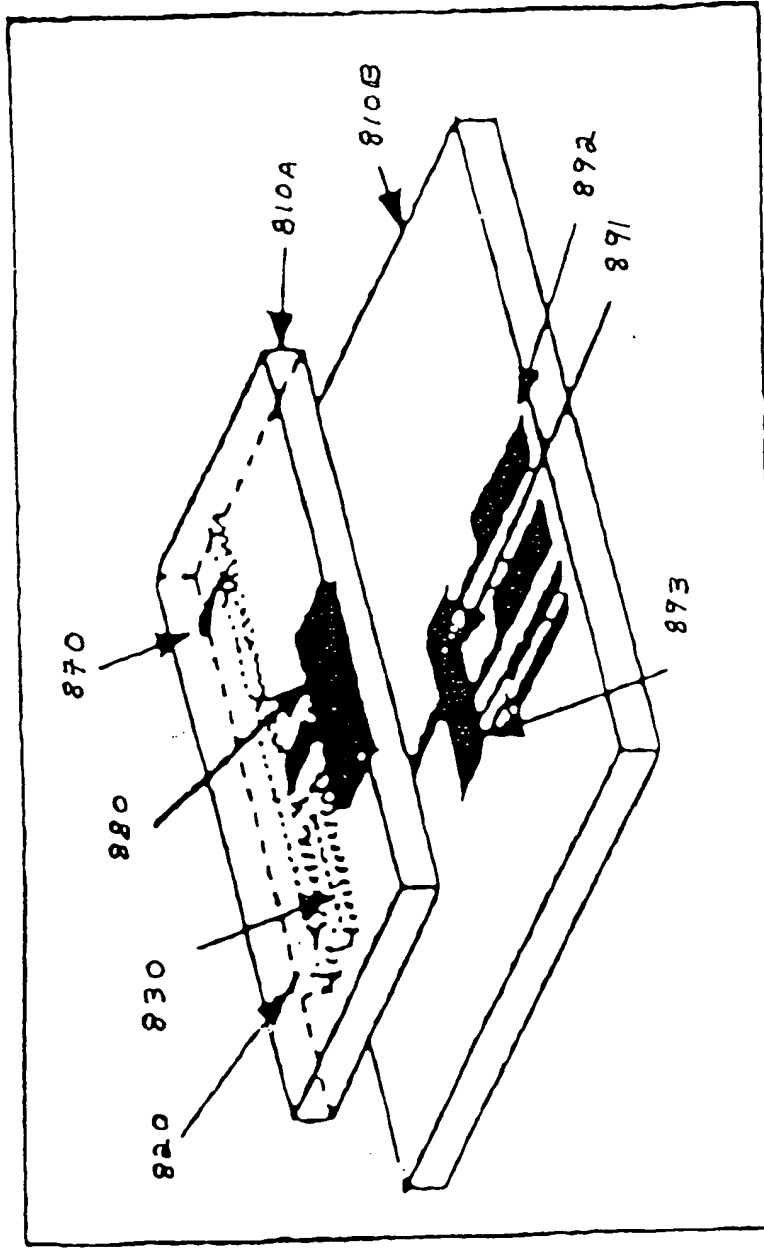


FIGURE 8A

STEP 1

1 μm SiO_2 (Thermal Oxide)

Al (0.5 μm)

STEP 2

SiO_2

STEP 3

Pt (0.16 μm)

STEP 4

0.7 μm Low Temperature SiO_2 (LTO)

STEP 5

Cr (0.1 μm)

STEP 6

SAMs of OTS

STEP 7

Hydrophobic region

FIGURE 8B

00000000-000000

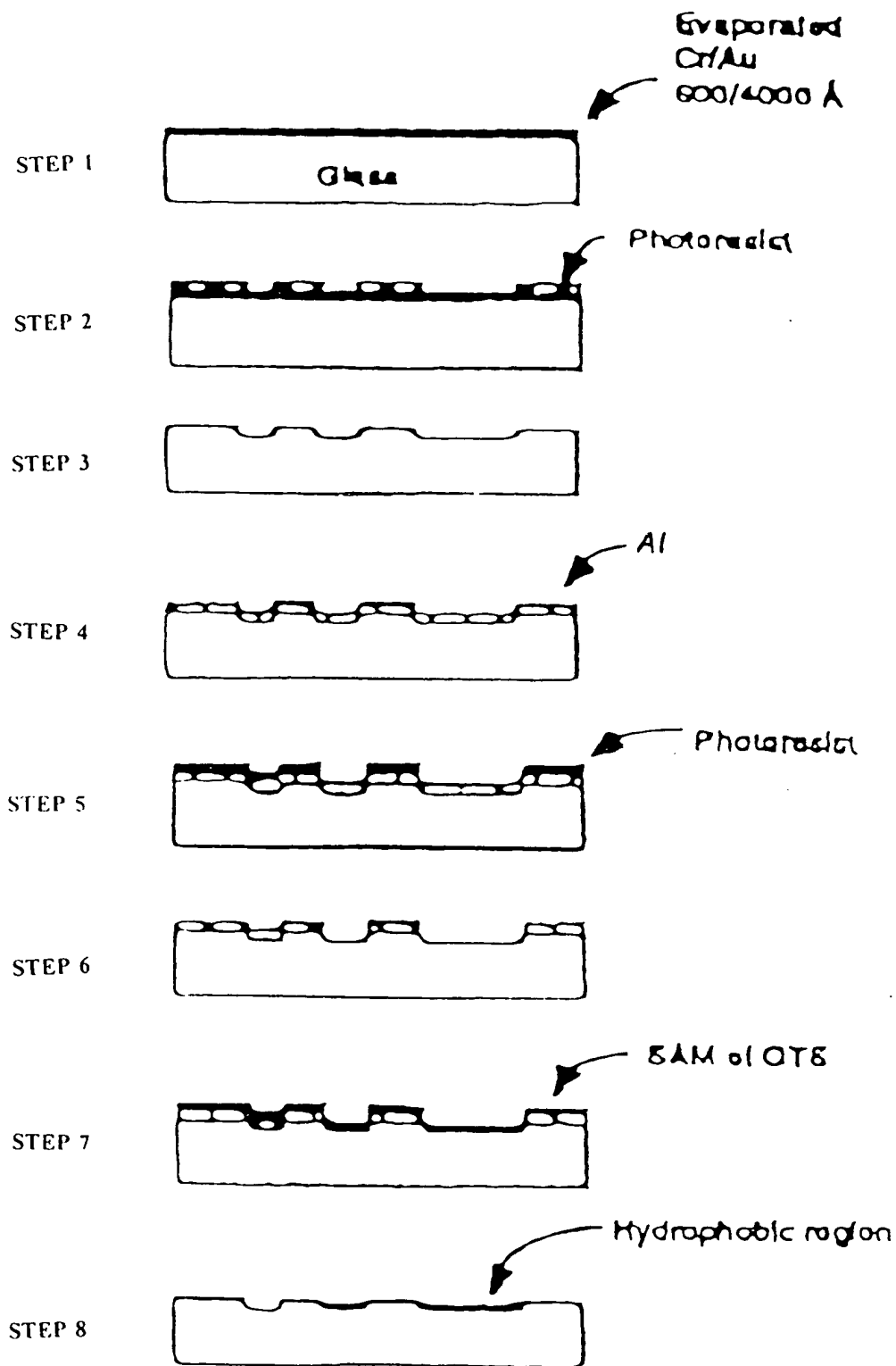


FIGURE 8C

00548095-030600

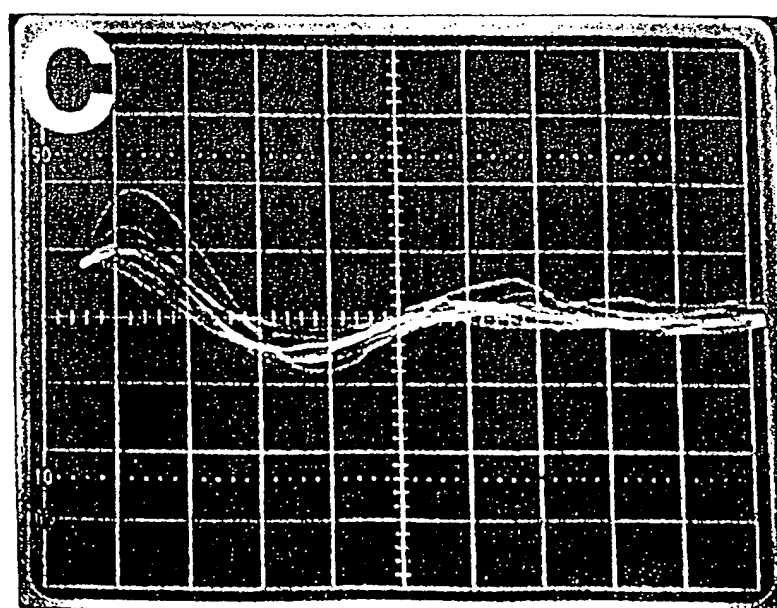
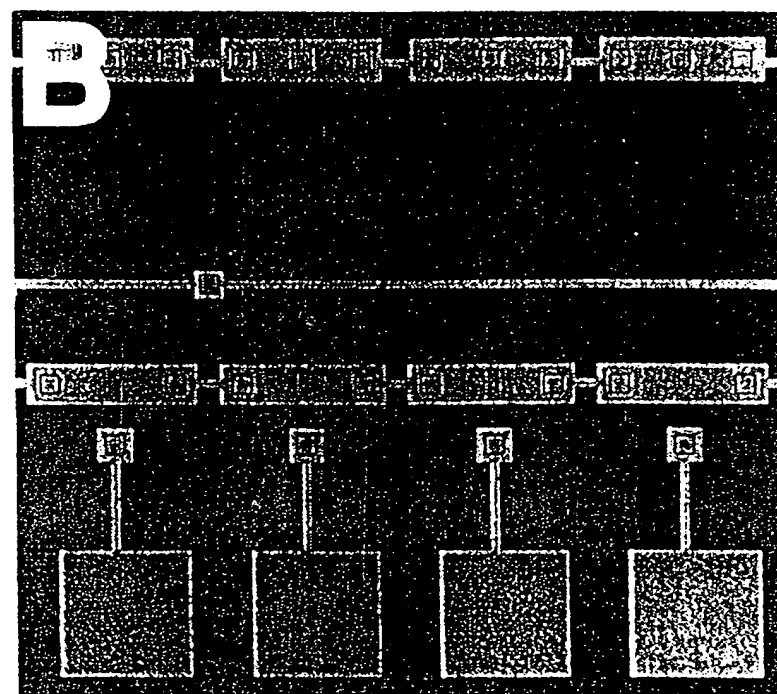
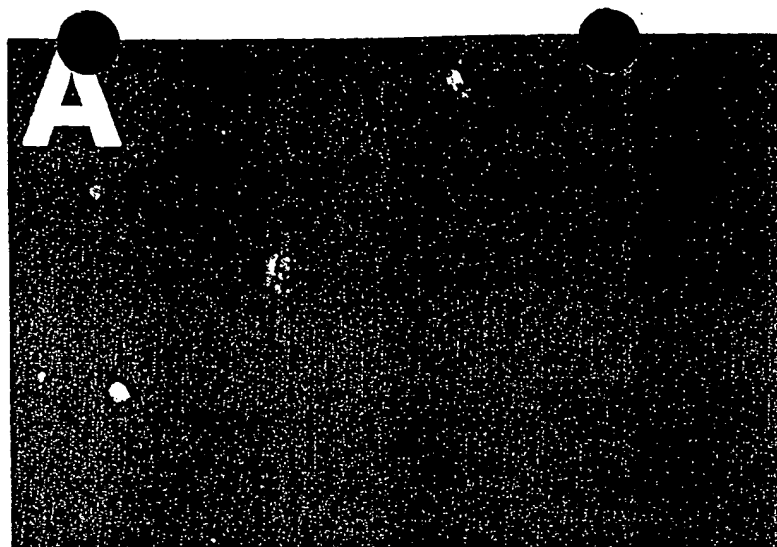


FIGURE 9

PCR Results with Standard Reagent Amounts

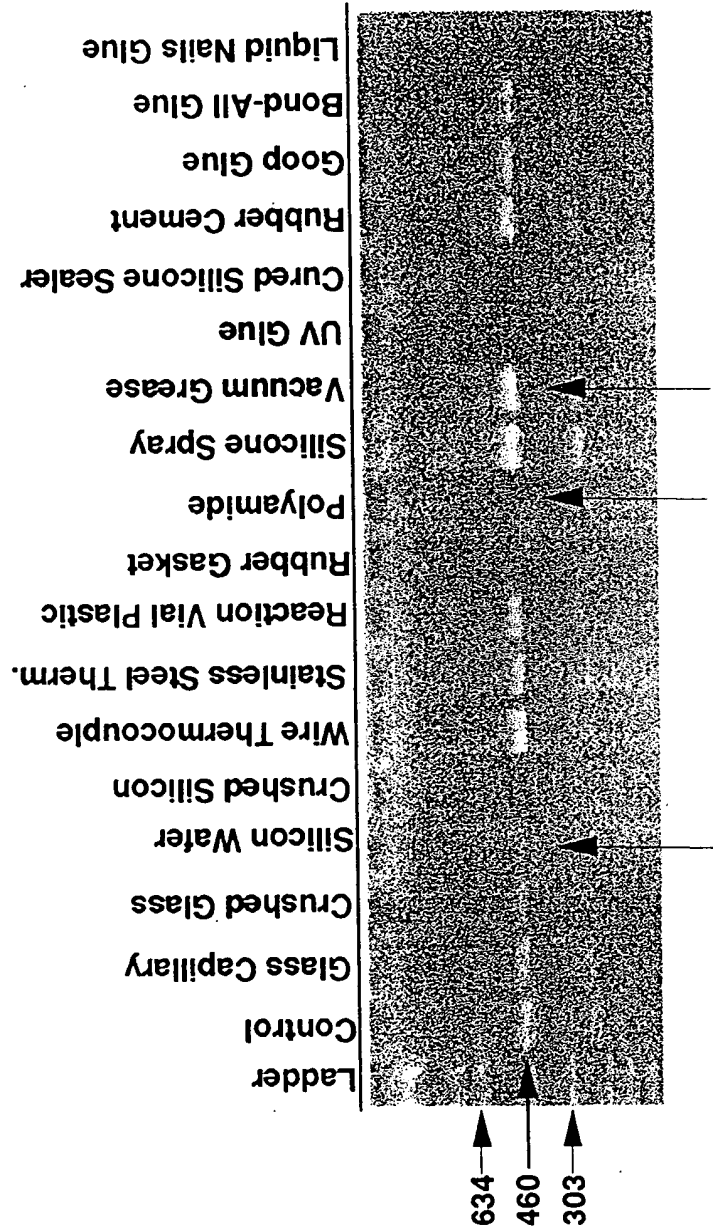


FIGURE 10

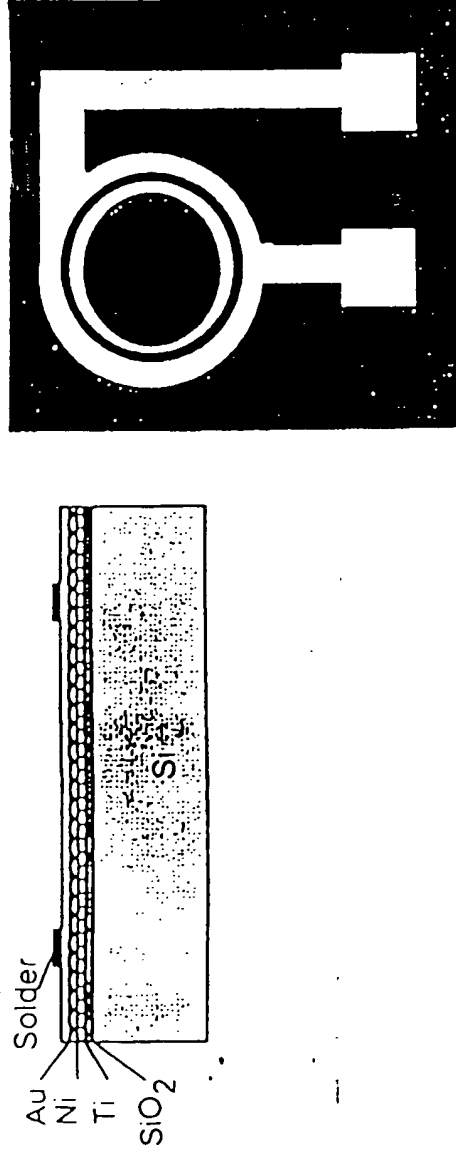
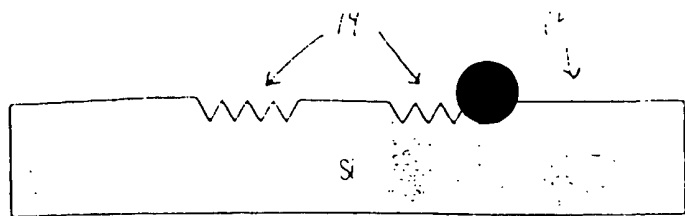
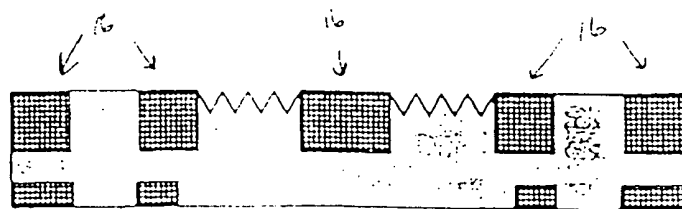


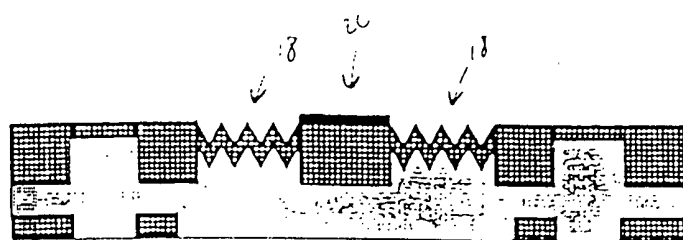
FIGURE 11



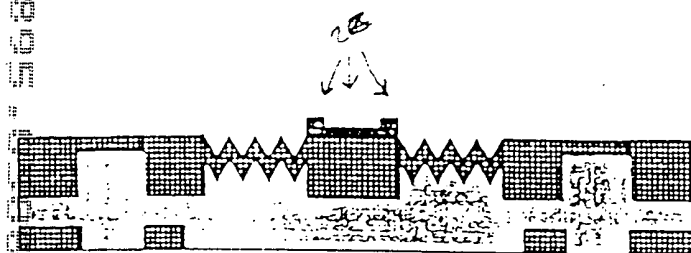
(a)



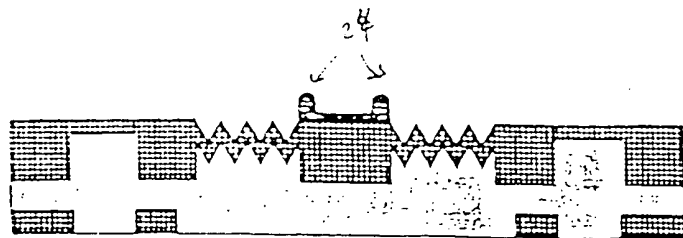
(b)



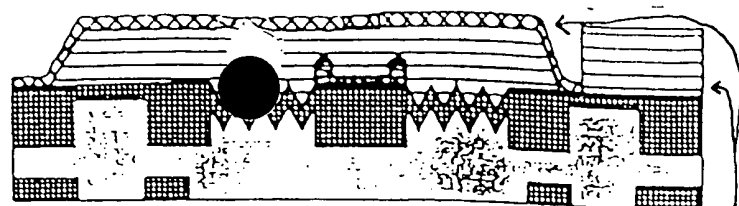
(c)



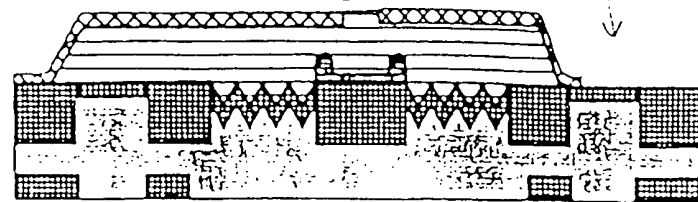
(d)



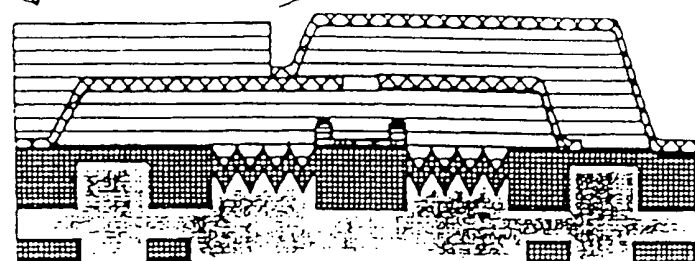
(e)



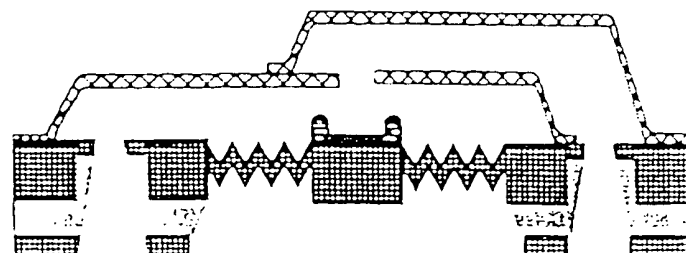
(f)



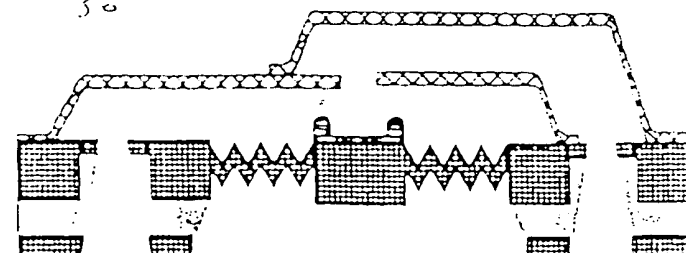
(g)



(h)



(i)



(j)

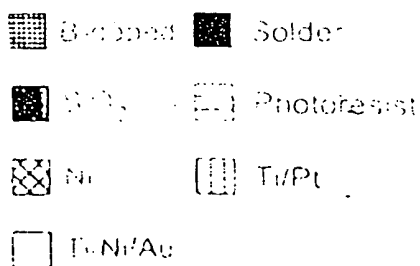


FIGURE 12

00000:56881500

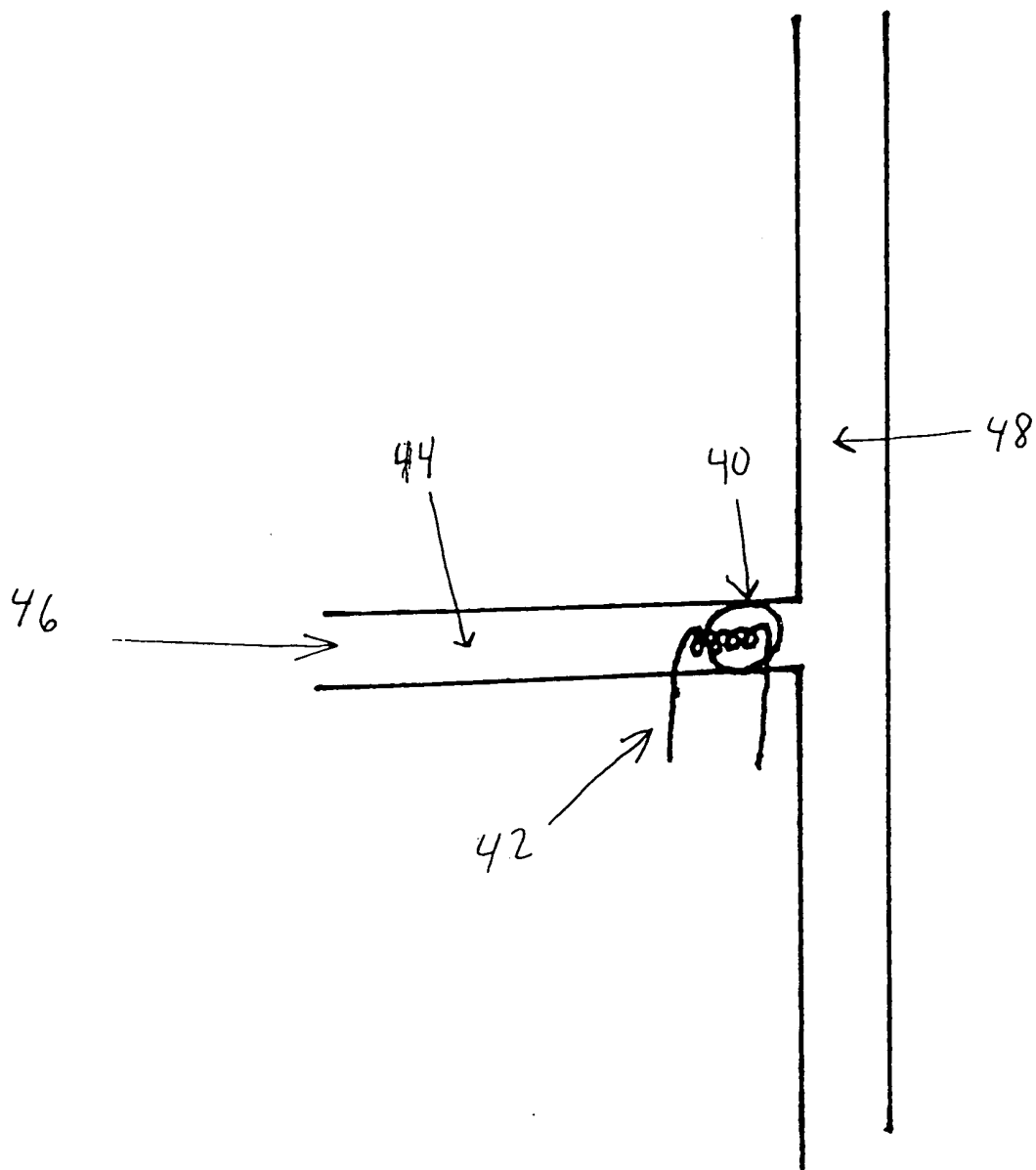


FIGURE 13

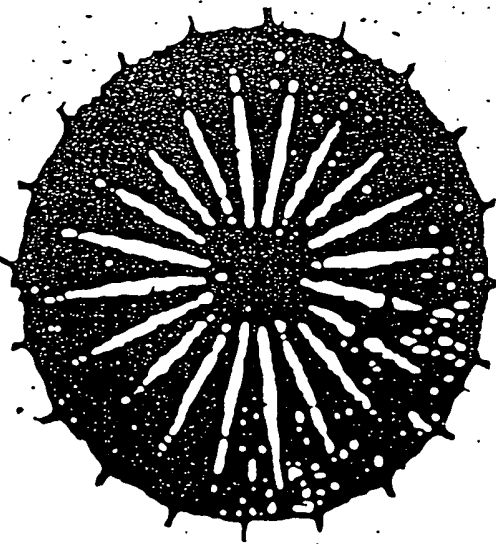
005020" 56351560



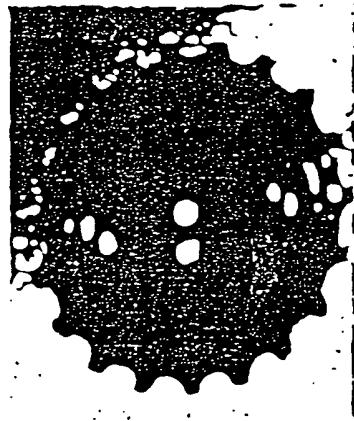
FIGURE 14

Hydrophobic
(gray region)

Hydrophilic
(white region)



A



B



C

FIGURE 15

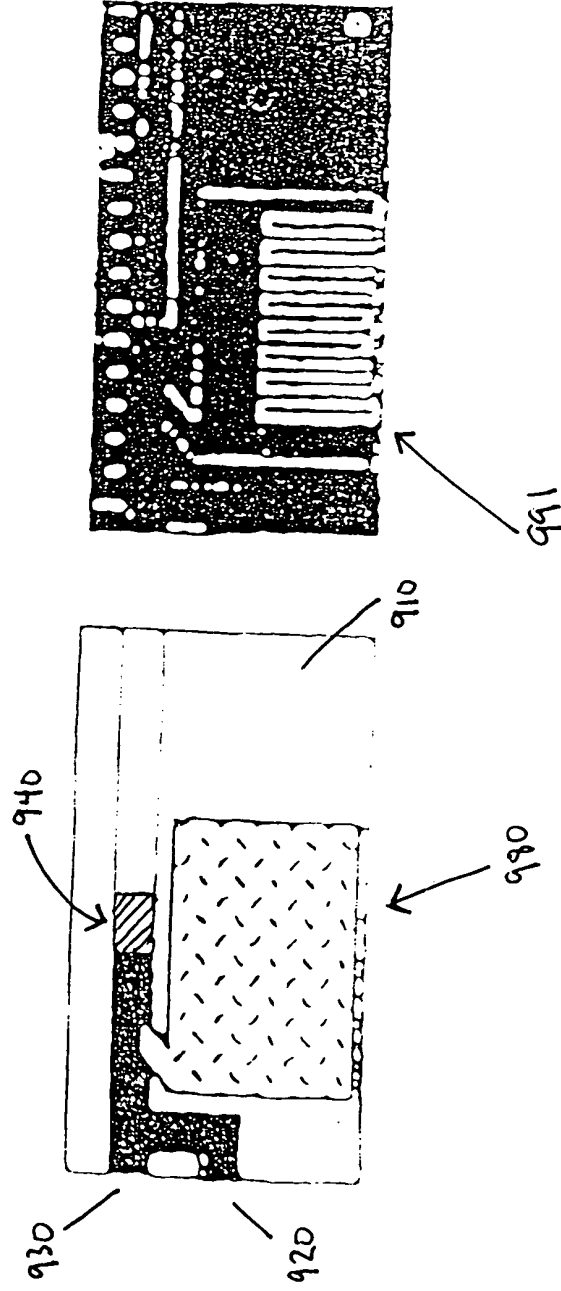


FIGURE 16A

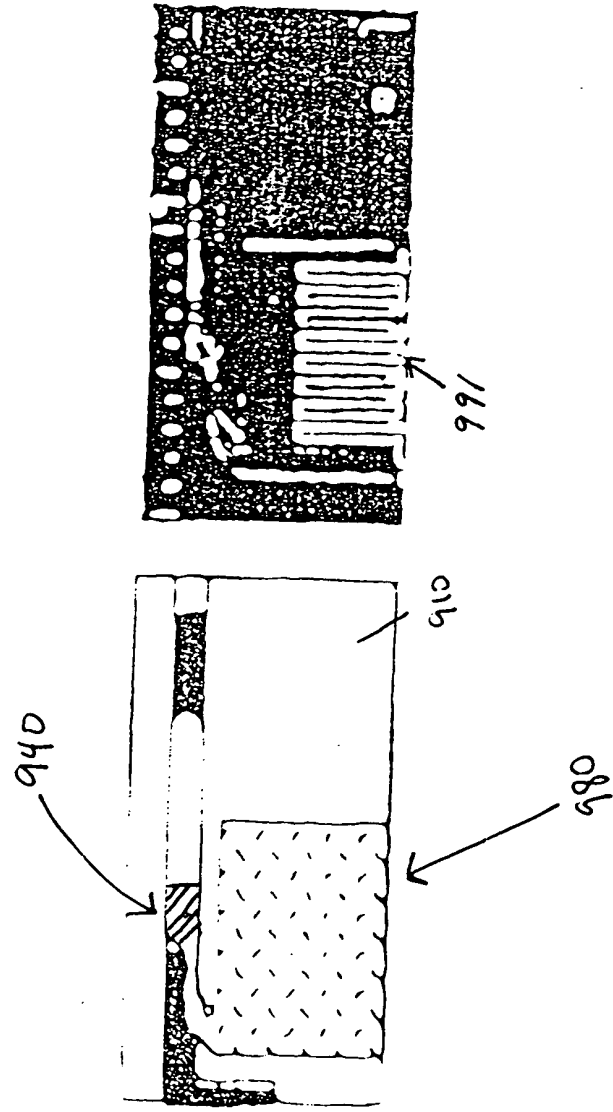


FIGURE 16B

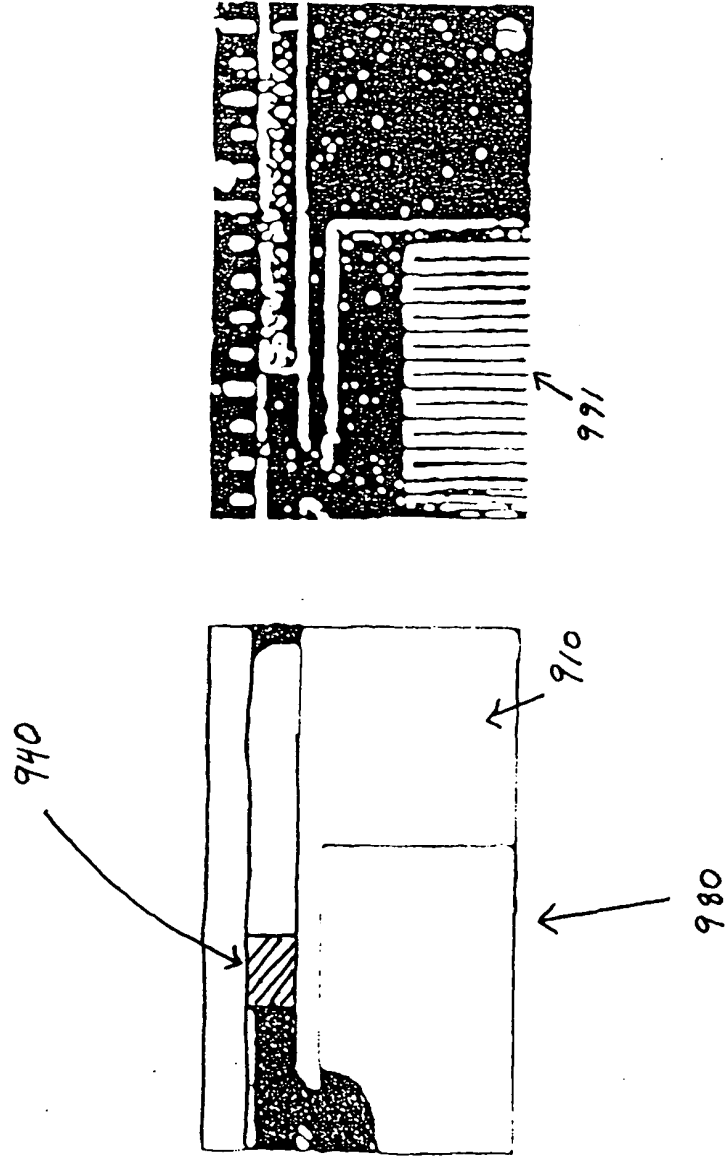


FIGURE 16C

003020-50001500

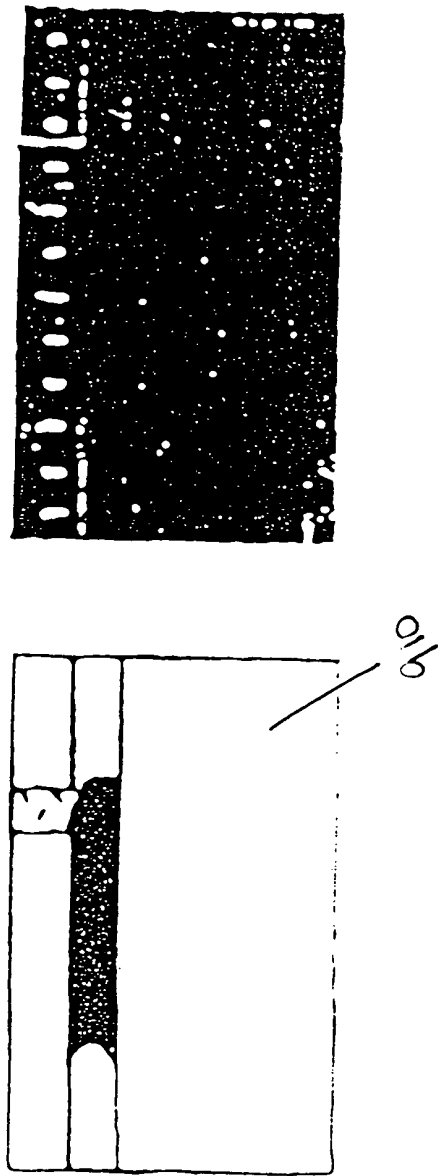


FIGURE 16D

